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The Role of Alcohol

in Oregon traffic fatalities

1986



ALL TRAFFIC FATALITIES

(Drivers, Passengers, Pedestrians, Motorcyclists)*

There were 619 people killed during 1986.

520 of the 619 were tested for a blood alcohol reading.....	84.0%
232 of the 520 showed a blood alcohol reading.....	44.6%
288 of the 520 tests given to all victims showed no reading.	55.4%
93 of the 520 had a reading of .20 or more.....	17.9%
55 of the 520 had a reading of .15-.19.....	10.6%
37 of the 520 had a reading of .10-.14.....	7.1%
27 of the 520 had a reading of .05-.09.....	5.2%
20 of the 520 had a reading of .01-.04.....	3.8%

If this breakdown is limited only to the 232 victims who had a reading when tested, the percentage breakdown is as follows:

93 of the 232 had a reading of .20 or more.....	40.1%
55 of the 232 had a reading of .15-.19.....	23.7%
37 of the 232 had a reading of .10-.14.....	16.0%
27 of the 232 had a reading of .05-.09.....	11.6%
20 of the 232 had a reading of .01-.04.....	8.6%

* Statistics in this report are based on copies of blood alcohol reports submitted to the Motor Vehicles Division by the State Medical Examiner, as required by ORS 146.035.

DRIVERS ONLY

(Motor Vehicle Operators, Motorcycle Operators)

There were 370 drivers killed during 1986.

343 of the 370 drivers killed were tested for a blood alcohol reading.....	92.7%
177 of the 343 showed a blood alcohol reading.....	51.6%
166 of the 343 tests given to all drivers showed no reading.	48.4%
72 of the 343 tested had a reading of .20 or more.....	21.0%
46 of the 343 tested had a reading of .15-.19.....	13.4%
31 of the 343 tested had a reading of .10-.14.....	9.0%
17 of the 343 tested had a reading of .05-.09.....	5.0%
11 of the 343 tested had a reading of .01-.04.....	3.2%

If this breakdown is limited only to the 177 drivers who had a reading when tested, the percentage breakdown is as follows:

72 of the 177 had a reading of .20 or more.....	40.7%
46 of the 177 had a reading of .15-.19.....	26.0%
31 of the 177 had a reading of .10-.14.....	17.5%
17 of the 177 had a reading of .05-.09.....	9.6%
11 of the 177 had a reading of .01-.04.....	6.2%

PASSENGERS, PEDESTRIANS, BICYCLISTS

There were 249 passengers, pedestrians, and bicyclists killed during 1986.

177 of the 249 were tested for a blood alcohol reading.....	71.1%
55 of the 177 showed a blood alcohol reading.....	31.1%
122 of the 177 tests given to passengers, pedestrians and bicyclists had no reading.....	68.9%
21 of the 177 had a reading of .20 or more.....	11.9%
9 of the 177 had a reading of .15-.19.....	5.1%
6 of the 177 had a reading of .10-.14.....	3.4%
10 of the 177 had a reading of .05-.09.....	5.6%
9 of the 177 had a reading of .01-.04.....	5.1%

If this breakdown is limited to the 55 who had a reading when tested, the percentage breakdown is as follows:

21 of the 55 had a reading of .20 or more.....	38.2%
9 of the 55 had a reading of .15-.19.....	16.4%
6 of the 55 had a reading of .10-.14.....	10.9%
10 of the 55 had a reading of .05-.09.....	18.2%
9 of the 55 had a reading of .01-.04.....	16.3%

AGE/SEX BREAKDOWN

ALL VICTIMS TESTED

Age	Neg.		.01-.04		.05-.09		.10-.14		.15-.19		.20 +		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
-15	9	2	1	0	1	0	1	0	0	0	0	0	12	2
16	8	3	0	0	1	0	1	0	1	0	0	0	11	3
17-18	16	10	1	0	4	1	2	0	4	0	2	3	29	14
19-20	7	5	2	0	3	1	4	0	7	1	2	0	25	7
21-24	17	13	0	2	2	0	8	0	9	2	15	1	51	18
25-34	34	12	7	0	6	0	10	1	12	3	28	8	97	24
35-44	19	12	0	1	1	1	2	1	4	2	16	4	42	21
45-54	18	6	0	1	2	0	2	0	4	0	6	3	32	10
55-64	20	13	0	1	4	0	2	0	2	0	2	0	30	14
65 +	<u>30</u>	<u>34</u>	<u>2</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>2</u>	<u>1</u>	<u>41</u>	<u>37</u>
TOTAL	178	110	13	7	24	3	35	2	47	8	73	20	370	150

(Age 15 includes those 15 and under)

DRIVERS AND MOTORCYCLE OPERATORS ONLY TESTED

Age	Neg.		.01-.04		.05-.09		.10-.14		.15-.19		.20 +		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
16	6	2	0	0	0	0	1	0	1	0	0	0	8	2
17-18	8	6	1	0	4	0	2	0	3	0	2	1	20	7
19-20	6	1	0	0	1	1	3	0	4	1	1	0	15	3
21-24	13	9	0	1	1	0	8	0	7	2	9	1	38	13
25-34	26	6	6	0	5	0	9	1	12	3	27	6	85	16
35-44	16	5	0	0	1	1	2	1	3	2	12	4	34	13
45-54	12	1	0	0	1	0	1	0	4	0	3	1	21	2
55-64	12	6	0	0	2	0	2	0	1	0	2	0	19	6
65 +	<u>16</u>	<u>15</u>	<u>2</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>2</u>	<u>1</u>	<u>24</u>	<u>17</u>
TOTAL	115	51	9	2	15	2	29	2	38	8	58	14	264	79

(Age 16 includes those 16 and under)

M - Male F - Female

ALCOHOL INVOLVEMENT BY COUNTY

County	Total Victims	Total Tested	Total with BAC	Neg.	.01-.04	.05-.09	.10-.14	.15-.19	.20 +
Baker	9	8	4	4	0	0	0	0	4
Benton	6	5	1	4	0	0	1	0	0
Clackamas	50	40	16	24	0	0	3	5	8
Clatsop	10	8	3	5	0	0	1	0	2
Columbia	14	7	3	4	0	1	0	0	2
Coos	19	15	5	10	0	2	1	0	2
Crook	4	3	1	2	0	0	0	1	0
Curry	3	2	1	1	0	0	0	0	1
Deschutes	25	22	6	16	0	1	2	2	1
Douglas	24	20	8	12	1	1	2	1	3
Gilliam	3	3	1	2	0	0	1	0	0
Grant	10	9	4	5	0	0	0	2	2
Harney	2	2	1	1	0	0	0	0	1
Hood River	2	2	0	2	0	0	0	0	0
Jackson	23	18	12	6	2	3	1	3	3
Jefferson	7	6	3	3	0	0	0	1	2

	2	1	7	7	3	1	2	4	1
Klamath	22	17	7	10	0	0	1	3	3
Lake	3	2	1	1	0	0	0	0	1
Lane	59	47	19	28	0	3	5	3	8
Lincoln	17	14	10	4	2	1	0	0	7
Linn	22	19	12	7	2	1	0	6	3
Malheur	11	9	4	5	1	2	0	0	1
Marion	45	44	22	22	1	3	4	3	11
Morrow	9	6	3	3	0	1	0	1	1
Multnomah	106	92	44	48	3	5	10	11	15
Polk	11	11	5	6	1	0	1	2	1
Sherman	3	3	0	3	0	0	0	0	0
Tillamook	10	8	4	4	1	0	0	1	2
Umatilla	18	15	6	9	2	0	0	2	2
Union	3	2	1	1	0	0	0	1	0
Wallowa	2	1	1	0	0	0	0	0	1
Wasco	7	6	2	4	0	0	0	1	1
Washington	32	28	11	17	1	2	2	2	4
Wheeler	2	2	0	2	0	0	0	0	0
Yamhill	<u>6</u>	<u>6</u>	<u>0</u>	<u>6</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL	619	520	232	288	20	27	37	55	93

BLOOD ALCOHOL DATA

TOTAL VICTIMS (BY MONTH AND TYPE OF VICTIM)

Month	Total Victims	MV Drivers	Passen- gers	Motor- cyclists*	Pedes- trians	Bicy- clists
January	28	15	2	0	10	1
February	52	24	13	5	10	0
March	42	25	10	3	3	1
April	47	16	17	7	6	0
May	55	27	15	12	1	0
June	54	23	14	9	7	1
July	64	34	14	12	2	2
August	64	23	23	13	5	0
September	52	28	11	7	5	0
October	62	30	22	3	5	2
November	45	25	6	4	8	2
December	<u>54</u>	<u>33</u>	<u>7</u>	<u>2</u>	<u>11</u>	<u>1</u>
TOTAL	619	303	154	77	73	10

* Includes motorcycle passengers

(NOTE: The total victims count of 619 includes two unknowns.)

TOTAL TESTED

Month	MV Drivers	Passen- gers	Motor- cyclists*	Pedes- trians	Bicy- clists
January	13	2	0	10	1
February	22	10	5	7	0
March	22	7	3	1	0
April	16	10	7	5	0
May	26	11	12	0	0
June	21	8	8	6	0
July	32	11	11	1	2
August	20	13	10	3	0
September	27	9	6	5	0
October	29	18	3	4	1
November	23	2	3	4	2
December	<u>31</u>	<u>6</u>	<u>2</u>	<u>9</u>	<u>0</u>
TOTAL	282	107	70	55	6

BLOOD ALCOHOL RESULTS

MV DRIVERS

Month	Neg./ No Test	.01-.04	.05-.09	.10-.14	.15-.19	.20 +	Total
January	17	1	0	1	1	5	25
February	13	0	0	2	2	4	21
March	8	1	1	2	1	2	15
April	8	0	0	1	3	4	16
May	13	1	0	2	2	4	22
June	20	1	1	3	2	3	30
July	10	0	1	1	2	4	18
August	26	0	0	4	4	9	43
September	15	3	2	1	6	4	31
October	18	1	0	3	2	4	28
November	14	1	0	0	2	2	13
December	<u>14</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>1</u>	<u>22</u>
TOTAL	176	10	6	22	30	46	290

PASSENGERS

(Including motorcycle passengers)

Month	Neg./ No Test	.01-.04	.05-.09	.10-.14	.15-.19	.20 +	Total
January	4	0	0	0	0	1	5
February	7	0	0	0	0	1	8
March	5	0	0	0	0	0	5
April	2	3	0	0	1	0	6
May	5	0	1	1	0	1	8
June	5	0	1	1	2	0	9
July	11	1	0	2	4	2	20
August	10	0	4	0	0	1	15
September	10	4	1	1	1	2	19
October	8	0	0	1	0	8	13
November	7	1	0	0	0	1	9
December	<u>5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>6</u>
TOTAL	79	9	7	6	9	13	123

BLOOD ALCOHOL RESULTS

MOTORCYCLISTS (Operators Only)

Month	Neg./ No Test	.01-.04	.05-.09	.10-.14	.15-.19	.20 +	Total
January	0	0	0	0	0	0	0
February	2	0	1	1	0	0	4
March	1	0	0	1	0	1	3
April	3	0	1	0	1	2	7
May	6	0	2	1	1	0	10
June	5	0	0	0	1	0	6
July	2	2	0	5	0	2	11
August	6	0	0	1	1	3	11
September	4	0	0	2	0	0	6
October	1	1	0	0	0	1	3
November	2	0	0	0	1	1	4
December	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>2</u>
TOTAL	32	3	4	12	6	10	67

PEDESTRIANS/BICYCLISTS

Month	Neg./ No Test	.01-.04	.05-.09	.10-.14	.15-.19	.20 +	Total
January	7	2	0	1	0	1	11
February	8	0	0	0	1	1	10
March	4	0	0	0	0	0	4
April	4	0	0	1	0	1	6
May	1	0	0	0	0	0	1
June	7	0	0	0	0	1	8
July	3	0	0	1	0	0	4
August	4	0	0	0	0	1	5
September	4	0	1	0	0	0	5
October	6	0	0	0	0	1	7
November	9	0	0	0	0	1	10
December	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>3</u>	<u>12</u>
TOTAL	65	2	1	3	2	10	83

KNOWN ALCOHOL RELATED FATAL CRASHES*

<u>Month</u>	<u>No. of Accidents Alcohol Involved</u>	<u>Total Fatal Accidents</u>	<u>Percent of Total Accidents Alcohol Involved</u>
January	8	28	28.6%
February	15	52	28.8%
March	17	42	40.5%
April	21	47	44.7%
May	26	55	47.3%
June	15	54	27.8%
July	35	64	54.7%
August	22	64	34.4%
September	15	52	28.8%
October	19	62	30.6%
November	17	45	37.8%
December	<u>22</u>	<u>54</u>	<u>40.7%</u>
TOTAL	232	619	37.5%

* Based on blood alcohol reports of victims only. Does not reflect possibility that a driver of another vehicle involved may have been drinking but was not tested by medical examiner because the driver survived the crash.

SUMMARY OF BLOOD ALCOHOL RESULTS BY YEAR

Year*	Victims	% Tested	% with B.A. Reading	% with Readings .15 or More	% with Readings .05-.14
1968	649	39.2	54.5	38.3	14.1
1969	713	36.4	50.5	29.7	18.9
1970	691	38.1	47.9	32.3	13.7
1971	695	41.9	50.4	33.1	16.4
1972	733	61.5	50.8	30.6	20.2
1973	635	65.4	45.5	31.4	14.3
1974	667	63.9	52.6	33.1	19.5
1975	570	68.8	53.1	31.9	16.9
1976	637	69.2	53.7	34.3	13.6
1977	674	76.6	54.2	33.6	16.8
1978	721	79.2	49.6	30.6	14.9
1979	675	82.4	56.6	37.2	15.3
1980	646	82.8	53.1	37.2	13.6
1981	645	81.2	54.0	37.6	13.1
1982	518	83.0	56.7	36.9	16.3
1983	548	82.1	51.8	30.2	16.2
1984	571	84.7	49.6	26.8	18.4
1985	558	82.6	48.2	30.4	12.8
1986	619	84.0	44.6	28.5	12.3

* Data prior to 1968 not comparable.

735-44 (6/87) 2½m